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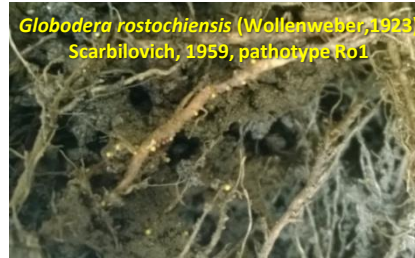
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The project "Collaborative Data and Information Exchange Network for Managing Invasive Alien Species (DIAS)" (2019-2021) was focused on invasive alien species (IAS) that are a serious and growing problem across the world: their introduction or natural range expansion threatens biological diversity by out-competing native species; they can cause health problems (spreading diseases or parasites to humans and farm animals), and can be pests to cultivated crops or forests.

Series of events was arranged aimed to involve volunteers in the Citizen Science' project for closer cooperation with scientists, to increase awareness of local people with invasive species and strengthen Internet skills (send observation and photos to the portal etc.).

### The project results:

- IAS' distribution, including plant-parasitic nematodes (PPN), were determined in Karelia, and data were inputted on the Karelian Internet portal;
- Communication with partners on future IAS potential risk and creation of management guidelines of invasive species.



Among PPN the closest attention was focused on potato cyst-forming nematode (PCN) *Globodera rostochiensis* Woll., quarantine object. It was described PCN distribution in the Republic of Karelia during 45 years, prepared recommendations to the local people on the available methods for detection and regulation of potato parasite:

Short information on PCN, including educational activities, preparation of leaflets on the PCN were presented;

Presence of nematode infestation on the field and consequences of PCN invasion for crop (parasite' detection methods, simple and available control measures) were explained;

The best way to eliminate PCN from the field was suggested.

Reliable data on PCN on IAS- portal and GBIF

### Growing of public awareness about PCN

Plant-parasitic nematodes of Republic of Karelia  
Published by Karelian Research Centre of the Russian Academy of Sciences  
Matveeva E. + Sushchuk A. + Mikhailova N.

Matveeva E, Sushchuk A, Bedoreva I (2021). Plant-parasitic nematodes of Republic of Karelia. Version 1.2. Karelian Research Centre of the Russian Academy of Sciences. Occurrence dataset <https://doi.org/10.15468/er3qz4>



Best practices - how to manage potato pest (private field trials)



Delivery of information and instructions to deal with PCN



Project was supported ENI CBC Karelia Programme (KA-5046)